

ACCESSION NR: AP4019480

was dropped from 31-33 to 21-23; and the amount of defective products was diminished from 43.5% to 35.0%. Orig. art. has: 2 figures and 3 tables.

ASSOCIATION: Kuznetskiy metallurgicheskiy kombinat (Kuznetsk Metallurgical Combine)

SUBMITTED: 00

DATE ACQ: 27Mar64

ENCL: 01

SUB CODE: MM, IE

NO REF SOV: 004

OTHER: 000

Card 2/3

KOBYZEV, V.K., inzh.; ZAKHARENKO, N.I., inzh.; LASKARONSKIY, E.N., inzh.;  
OSCKIN, Ye.A., inzh.; USOL'TSEV, B.N., inzh.

Effect of the diameter of rolls with a grooved surface on the  
size and distribution of torque during metal rolling on a  
blooming mill. Stal' 24 no.10:899-901 0 '64. (MIRA 17:12)

1. Kuznetskiy metallurgicheskiy kombinat.

MONASTYRSKIY, V.Ya.; DUBROVIN, A.K.; LASKARONSKIY, E.N.; GLAZOV, A.N.;  
DANILOV, P.M.; KONOVALOV, K.N.; MIKHEYEV, V.G.; TEDER, L.I.

Improving the technology of smelting, pouring, and heating  
0 - 2Kh13 steel ingots. Metallurg 10 no.12:14-16 D '65.  
(MIRA 18:12)

1. Kuznetskiy metallurgicheskiy kombinat.

L 04189-67 EWT(m)/EWP(w)/T/EWP(t)/ETI IJP(c) ID  
ACC NR: AT6026545 (A) SOURCE CODE: UR/2776/66/000/046/0020/0029

AUTHOR: Sinel'nikov, M. I.; Babakov, A. A.; Barziy, V. K.; Demchishin, A. V.;  
Laskaronskiy, E. N.; Lyublin, Ye. B.; Fel'dgandler, E. G.; Cherkashina, N. P.; Chern  
yavskaya, S. G.

ORG: Central Scientific Research Institute of Ferrous Metallurgy, Moscow (Tsentral'-  
nyy nauchno-issledovatel'skiy institut chernoy metallurgii)

TITLE: A study of the plasticity of 1Kh21N5T (EI811) steel at high temperatures

SOURCE: Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii.  
Sbornik trudov, no. 46, 1966. Spetsial'nyye stali i splavy (Special steels and  
alloys), 20-29

TOPIC TAGS: stainless steel, heat treatment, <sup>plasticity</sup> ~~hot ductility~~, metallographic examina-  
tion, austenite, ferrite, temperature dependence / 1Kh21N5T steel, EI811 steel

ABSTRACT: Ten heats of EI811 steel containing 4.8-5.3% Ni and 0.25-0.53% Ti were pre-  
pared in order to study the effect of temperature and ingot cementation time on phase  
composition. The dependence between phase ratios and metal plasticity at high tem-  
peratures was also studied. Samples were water quenched after heating/at 1000, 1100,  
1200, 1250 and 1300°C for 1, 2, 5 and 10 hr. Hot torsion tests were conducted at a  
twist rate of 60 rpm at 900, 1000, 1100, 1200, 1250 and 1300°C after a 20 min soak.

Card 1/2

L 04189-67

ACC NR: AT6026545

The number of hot twists to fracture increased as a function of temperature. After fracturing, the samples were water quenched to retain the high temperature structure and then examined metallographically. The amount of austenite as a function of heat treatment for each steel is given. Micrographs of each treatment are shown for representative steel samples. The quantity of ferrite increased with rise in temperature or increase in time at temperature, with the most intense  $\alpha \rightarrow \gamma$  conversion occurring in the 1200-1300°C range; by holding for 10 hrs in this range almost all of the structure became ferritic. The plasticity at different temperatures depended on the ratio of  $\alpha$ - and  $\gamma$ -phases in the structure at the given temperature. Maximum plasticity resulted for  $\gamma$ -phase contents less than 25-30%. It was recommended that the ingots of EI811 steel be soaked at higher temperatures throughout rolling than is normally typical, i. e., at 1290 to 1310°C instead of 1250 to 1270°C. Orig. art. has: 1 table, 6 figures.

SUB CODE: 11/

SUBM DATE: none

Card 2/2 *LC*

SOV/128-58-12-11/21

AUTHORS: Prokhorov, A.P. and Laskarzhevskiy, N.I.

TITLE: The Chill Casting of Iron (Kokil'noye chugunnoye lit'ye)

PERIODICAL: Liteynoye proizvodstvo, 1958, Nr 12, pp 20 - 21 (USSR)

ABSTRACT: The process of chill-casting in the production of kitchen-range plates is described and illustrated. The chill-casting method was brought into use at the Bobruyskiy vesovoy zavod (Bobruysk Scales-Building Plant). Its use raised labor efficiency by 400% in comparison with 1955. There are 2 diagrams and 1 graph.

Card 1/1

LASKAUN, M. I. AND OTHERS

Dairy Cattle.

Our experience in feeding cows for milk production. Sots. zhiv. 14 no. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1952, Uncl.

52

LASKAVA, S.M.; YUT, N.S.

Substituting fish and marine animal oils for vegetable oils in  
paint materials. Khim. prcm.[Ukr.] no.1:71-73 Ja-Mr '65. (MIRA 18:4)



LASTKOV, O.A.; LASKAVAYA, F.P. (Kronshatadt)

Names of Russian physicians on the map of the world. Sov. zdrav.  
19 no.3:67-68 '60. (MIRA 14:6)

(PHYSICIANS, RUSSIAN)

LASKAVAYA, G., arkhitektor

Window dressing. Na stroi. Ros. 3 no. 9:24<sup>15</sup> '62. (MIRA 15:12)  
(Show windows)

LASKAVAYA, Iesya.

Land of unveiled mysteries. Rabotnitsa 36 no.3:20-22 Mr '58.  
(Magadan Province--Description and travel) (MIRA 11:3)

YUT, N.; LASKAVAYA, S.

Successful substitute. Mest. prom. i khud. promys. 3 no.9:  
32-33 S. '62. (MIRA 16:12)

1. Nauchno-issledovatel'skiy institut mestnoy i toplivnoy  
promyshlennosti Gosplana UkrSSR.

LASKAVYY, V.N.

Thermocompensation of reference voltage sources with silicon voltage stabilizers. Izv.tekh. no.11:40 N '63. (MIRA 16:12)

31

LASKAWSKI, W.

37

Polyvinyl resins. Włodzimierz Laskowski. *Przemysł Chem.* 27, 595 (1948). -- The chem. and phys. properties and the methods of manufg. the raw materials and resins are reviewed. Frank Gonet

ATTACHMENTAL LITERATURE CLASSIFICATION

COUNTRY : POLAND H  
CATEGORY : Chemical Technology. Chemical Products and  
Their Applications. Synthetic Polymers.\*  
ABS. JOUR. : AZKhim., No. 23 1959, No. 84045  
AUTHOR : Laskowski, W.  
INST. : --  
TITLE : Study of Polyvinylchloride Plastics. I. General Properties of Polyvinylchloride Plastics.  
ORIG. PUB. : Przem. chem., 1958, 37, No 9, 606-607  
ABSTRACT : Description of the composition, properties and refining of polyvinylchloride plastics by the methods of immersion, filling of hollow forms, impregnation of fabrics, pressing, dusting and foaming.-- L. Sedov.  
CARD: \*Plastics.  
1/1

L AS KAWSKI, W.

15(8) .  
 PHASE I BOOK EXPIRATION POL/3268

Bojaraki, J.: Master of Engineering; J. Brzezinski, Master of Engineering; I. Dobosz, Master of Engineering; A. Dobrowozniak, Master of Engineering; J. Kucinski, Master of Engineering; J. Jakra, Master of Engineering; P. Kacprzak, Master of Engineering; K. Kowalski, Master of Engineering; W. Laskowski, Master of Engineering; J. Lofinski, Master of Engineering; J. Pochwalaki, Doctor; T. Wisched, Master of Engineering; T. Wisniewski, Master of Engineering; I. Zakrzewski, Master of Engineering; W. Zielinski, Master of Engineering; and H. Zowall, Scientific Coordinator, Master in Science

Co i jak produkowad z tworzyw sztucznych (What Can Be Produced From Plastics and How) Warsaw, Państwowe wyd-wo techniczne, 1959. 413 p. (Series: Tworzywna sztuczna plastyk i ich zastosowanie i zastosowanie) Errata slip inserted. 5,253 copies printed.

Coordinator of the Work: J. Brzezinski, Master of Engineering; Reviewer: St. Chudziński, Master of Engineering; Scientific Ed. of Publishing House: St. Pistras, Master of Engineering and K. Radziwill, Master in Science, Tech. Ed.: A. Urbanicki.

PURPOSE: This book is intended for chemists and equipment designers in the plastics industry. It will be of interest to students of the plastics industry.

COVERAGE: This book, one of a series on the plastics industry, is divided into two parts. The first part discusses the classification of plastics, methods of production, and the most common uses of the end-products. The basic properties of individual plastics are given in a general discussion of all known plastics. The second part discusses plastics, thermoplastics, and thermosetting plastics. The design, construction, and parts of plasticizing machines are described. The techniques of extruding, pressing, and injection molding are also described. The book is treated. A listing of terminology used in the plastics industry is included. A table includes the trade names and producers of major plastics. No references are given.

Card 2/8



COUNTRY	:	Poland	H-29
INSTR.	:		
REF. JOUR.	:	RZKhim., No. 5 1960, No.	20087
AUTHOR	:	Laskawski, W., Malczewski, J., and Rabek, T.	
INST.	:	Not given	
TITLE	:	Some Problems in the Utilization of Urea-Formaldehyde Resins in the Enrichment of Articles Pressed from Scrap	
ORIG. PUB.	:	Przeglad Papiern, 15, No 6, 174-177 (1959)	
ABSTRACT	:	In pressing articles from ground raw scrap with a 20% solids content and 121 urea-formaldehyde resin, containing 40% solids, 300-400 gms of moist scrap are diluted with water until the ratio of total solids to total water (including the water contained in the scrap in the resin) is 1 : 15. The composition obtained is stirred for 45 min in an impeller-type mixer rotating at a speed of 100 rpm. At the end of that period, pH control and coagulating agents (aluminum	

CARD: 1/2

394

S/081/62/000/024/025/052  
B117/B186

AUTHORS: Łaskawski, Włodzimierz, Respondek, Józef

TITLE: Method of molding hollow products of polyvinyl chloride

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24 (II), 1962, 887 - 888,  
abstract 24P526 (Polish pat. 44387, April 21, 1961)

TEXT: A method of molding hollow products of polyvinyl chloride is patented. It is based on repeated immersion of the cold mold into a polyvinyl paste-containing softeners and volatile diluents. Each time, on emerging from the paste, the film formed on the mold is gelatinized for 40 - 30 min at 55 - 60°C, or for 60 - 40 min at 100 - 110°C, or for 30 - 10 min at 120 - 130°C. Then it is finally gelatinized. The products have a smooth, uniform surface. The softeners were esters of butanol, octanol, highest alcohols, phenol, creosol, phosphoric, phthalic, adipic, sebacic, and oleic acids, multiatomic alcohols and other less volatile compounds, b.p. above 200°C at 20 mm Hg. The amount of softener is 25 - 40 % of the nonvolatile component in the paste. [Abstracter's note: Complete translation.]

Card 1/1

LASKAWSKI, Włodzimierz

Using polyamide epoxy compounds to improve plasticized poly-  
vinyl chloride foil. Pt.1. Polimery tworzyw wielk 8 no.12:449-451  
D\*63

1. Katedra Tworzyw Sztucznych, Zakład Technologii Przetworstwa  
i Stosowania Tworzyw, Politechnika, Wrocław.

MURATOV, O.V., inzh.; VAYNBERG, B.G., inzh.; LASKER, Ya.N., inzh.

New refrigerating plant for milk cooling. Khol. tekhn. 39  
no.5:17-19 S-0 '62. (MIRA 16:7)

1. Odesskiy zavod kholodil'nogo mashinostroyeniya.  
(Refrigeration and refrigerating machinery)

GIUMAKOV, M.P.; VOROSILOVA, M.K.; DZAGUROV, S.G.; DROZDOV, S.G.; <sup>LASHKEVICH, V.A.</sup> LASKEVICI,  
V.A.; MIRONOVA, L.L.

Results of investigations made in the past 4 years on the immunization of several Soviet populations with poliomyelitis live vaccine (Sabin type) administered orally. Stud. cercet. inframicrobiol. 13 no.5: 589-591 '62.

1. Institutul pentru cercetarea poliomielitei si a encefalitelor virotice al Academiei de stiinte medicale a U.R.S.S.  
(POLIOMYELITIS) (POLIOVIRUS VACCINE, ORAL)

LASKEVICH, YU. 1.

LEBEDEV, D.V. [translator]; MATVEYEVA, T.S. [translator]; ~~LASKEVICH, YU. 1.~~  
[translator]; OSTRYAKOVA-VARSHAVER, V.P. [translator]; KHVOSTOVA,  
V.V. [translator]; BARANOV, P.A., redaktor; ASTAUROV, B.L., professor,  
redaktor; SYSINA, N.A., redaktor; IOVLEVA, N.A., tekhnicheskii  
redaktor

[Polyploidy; collection of articles] Poloploidia; sbornik statei.  
Perevod D.V. Lebedeva i dr. Pod.red. i s predisl. P.A. Baranova i B.L.  
Astaurova. Moskva, Izd-vo inostr. lit-ry, 1956. 398 p. (MLRA 10:6)

1. Chlen-korrespondent Akademii nauk SSSR (for Baranova)  
(Polyploidy)

LASKEYEV, P. Kh.

Laskeyev, P. Kh. "Fractionation of wood pulp," Materialy Tsentr.  
nauch.-issled. in-ta bumazh. prom-sti, Issue 36, 1948, p. 65-95 --  
Bibliog: 14 items

SO: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 14, 1949).

LASKEYEV, P. Kh.

Laskeyev, P. Kh. - "Anhydrite-alumina (AG) cement for making pulping rolls,"  
Materialy Tsentr. nauch.-issled. in-ta bumazh. prom-sti,  
Issue 37, 1948, p. 333-59 — Bibliog: p. 359

So: U-3566, 15 march 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)



VEREGITIN, Ivan Zinov'yevich; LASKEVYEV, P. Kh., red.; ZLOTNIKOVA, Ye. A.,  
red. izd-va; SHIBKOVA, R. Ye., tekhn. red.

[Manufacture of semiprocessed products from deciduous wood]  
Proizvodstvo polufabrikatov iz listvennoi drevesiny. Moskva,  
Goslesbumizdat, 1962. 116 p. (MIRA 16:3)  
(Woodpulp)

NIKITIN, N.I.; LASKEYEV, P.Kh.; NATKINA, L.N.; NOVOSEL'SKAYA, A.I.

Nikolai Iakovlevich Solechnik; on his 60th birthday.  
Nauch. trudy LTA no.98:3-10 '62. (MIRA 15:12)  
(Solechnik, Nikolai Iakovlevich, 1901-)

SOLECHNIK, N.Ya.; LASKEYEV, P.Kh.; NOVOSEL'SKAYA, A.I.; MOZHE, Z.V.

Theoretical bases of the preparation of chips for milling.  
Nauch. trudy LTA no.98:27-36 '62. (MIRA 15:12)  
(Hardboard)

LASKEYEV, P.Kh.

Monosulfite cooking of birch firewood chips. Nauch.  
trudy LTA no.98:45-52 '62. (MIRA 15:12)  
(Hardboard)

SOLECHNIK, N.Ya.; LASKEYEV, P.Kh.; MOZHE, Z.V.

Cold alkaline process for birch and pine firewood chips.  
Nauch. trudy LTA no.98:53-59 18. (MIRA 15:12)  
(Hardboard)

JACKOWSKI, K., vezeto vizturbina szakerto; LASKI, A.

Plans for the construction of hydroelectric power stations on the Lower Vistula by means of tubular turbines. Hidrologiai kozlony 44 no. 4:153-158 Ap '64.

1. Varsoi "Hidroprojekt" (for Jackowski); 2. Varsoi "Hidroprojekt" vizeromu tervezesi osztalyanak vezetoje (for Laski).

LASKI, Janusz, mgr.

Electronic computers. Nafta Pol 18 no.6:164-166 Je '62.

1. Instytut Naftowy, Krakow.

LASKI, Janusz.

Approximation of vertical hodographs from seismic borehole  
loggings using the XYZ electronic computer. Acta geophys  
Pol 11 no. 1/2: 103-114 '63.

1. Instytut Naukowy, Krakow.



LASKI, Janusz

Analysis of the approximation results of curves of profiling  
time data from a selected region of the western part of the  
Central carpathian foreland. Acta geophys Pol 12 nol 3:161-173  
'64.

1. Petroleum Institute, Krakow.

BOROWICZ, Jerzy; LASKI, Jozef

Pneumatic pressure bars of the PP 1 type. Przegl włokien 16  
no.2:82-83 F '62.

1. Centralne Biuro Techniczne Przemysłu Maszyn Włokienniczych,  
Lodz.

LASKI, Zdzislaw

Analysis on the utilization of the production capacity of machines and equipment in an industrial enterprise. Ekon org pracy 13 no. 3: 114-118. '62.

LASKIEWICZ, A. (Londyn)

~~WYKŁADY~~ Physiopathology of the pterygopalatine ganglion. Otolaryngologia 12 no.1:  
1-10 1958.

(GANGLIA, AUTONOMIC, physiol.

Meckel's ganglion, physiopathol. (Pol))

SHVERNIK, Aleksandr Mikhaylovich; SOKOLOV, Anatoliy Valentinovich;  
 POLUBELOV, Aleksey Sergeyevich; KISELEV, Georgiy Ivanovich;  
 BERNSHTEYN, Rafail Lazarevich; SLAVUTSKIY, Samuil Oskarovich;  
 NEVEL'SHTEYN, Yuriy Grigor'yevich; KONDRATENKO, Leonid  
 Fedorovich; LASKIN, Anatoliy Aronovich; LUR'YE, Zakhar  
 Solomonovich; MAKAROV, Vladimir Aleksandrovich; NOVOZHILOV,  
 M.G., retsenzent; BILICHENKO, N.Ya., retsenzent; VARSHAVSKIY,  
 A.M., retsenzent; TARTAKOVSKIY, B.N., retsenzent. Prinimali  
 uchastie: ANTONOV, V.A., inzh.; VERBLYUNSKIY, Yu.I., inzh.;  
 ZEMSKOV, P.F., otv. red.

[Overall mechanization and automatic control in strip mines]  
 Kompleksnaya mekhanizatsiya i avtomatizatsiya na kar'erakh.  
 Moskva, Nedra, 1964. 582 p. (MIRA 18:4)

LASKIN, A.S., kand.tekhn.nauk; KULESHOV, A.P., inzh.

Small-sized transducer for measuring rapidly varying gas  
pressures in turbomachines. Energomashinostroenie 11  
no.11:20-23 N '65. (MIRA 18:11)

ACC NR: AP6012269

SOURCE CODE: UR/0114/65/000/011/0020/0023

AUTHOR: Laskin, A. S. (Candidate of technical sciences); Kuleshov, A. P. (Engineer)

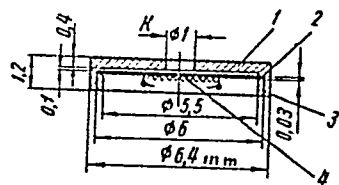
ORG: none

TITLE: Miniature sensor for measuring rapidly varying gas pressure in turbo-machines

SOURCE: Energomashinostroyeniye, no. 11, 1965, 20-23

TOPIC TAGS: gas pressure, pressure gage, gas turbine engine

ABSTRACT: Developed in the Leningrad Polytechnic Institute, the pressure gage (see figure) consists of flexible diaphragm 2 with strain-sensitive constantan-wire element 4 which is tightened to mounting plate 1 by ring 3. A thin circular uniformly-loaded perimeter-constrained plate serves as a model for deduction of design formulas and curves. Plots of stress vs. ratio of radii, sag vs. pressure, and pressure and frequency vs.  $h/R$  are shown. The above design is recommended for measuring pulsating pressures within 0-0.5 n/cm<sup>2</sup> at 0-5000 cps and 273-353K. Orig. art. has: 6 figures and 20 formulas.



SUB CODE: 21, 09 / SUBM DATE: none / ORIG REF: 003

Card 1/1

UDC: 621.3.083.8:62-135

LASKIN, E.D., inzh.; KARINSKAYA, L.P., red.; NIKOL'SKAYA, K.G.,  
tekhn. red.

[Multiple-grid electron tubes; manual on a course in  
"Electronic and vacuum devices" for students of the fourth  
year in "Automatic control, remote control, and communica-  
tions in railroad transportation"] Mnogosetochnye elektron-  
nye lampy; uchebnoe posobie po distsipline "Elektronnye i  
ionnye pribory" dlia studentov IV kursa spetsial'nosti  
"Avtomatika, telemekhanika i sviaz' na zheleznodorozhnom  
transporte." Moskva, Vses. zaachnyi in-t inzhenerov zhel-  
dor. transporta, 1962. 31 p. (MIRA 16:8)  
(Railroads--Electronic equipment) (Electron tubes)



LASKIN, M.S.

Small combined grain separator. Biul.tekh.-ekon.inform.Gcs.nauch.-  
issl.inst.nauch,i tekhn.inform 17 no.11:68-70 N '64.

(MIRA 18:3)

LASKIN, M.S.

The TUP-80 unit for pneumatic grain conveying. Biul.tekh.-ekon.  
inform.Gos.nauch.-issl.inst.nauch.i tekhn.inform. 18 no.1:64-65  
Ja '65. (MIRA 18:4)

LASKIN, M.S.

The UVR roller heap cleaner and the TVP movable heap cleaner.  
Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekhn.  
inform. no.9:61-64 '62. (MIRA 15:9)  
(Grain--Cleaning)

ZHILKIN, V.B.; Primali uchastiye: ITEL'SON, G.M.; KALGANOV, D.K.;  
KADOBNOV, V.D.; OLEYNIKOV, I.S.; SMIRNOV, V.I.; BLYUMENFEL'D,  
M.K.; KONYASHIN, Ye.I.; LASKIN, R.L.

Experimental use of titanium in hydrometallurgy. Titan i ego  
splavy no.8:273-278 '62. (MIRA 16:1)  
(Hydrometallurgy--Equipment and supplies)  
(Titanium--Corrosion)

EXCERPTA MEDICA Sec 11 Vol 12/10 O.R.L. October 59

1824. LARYNGITIS ADENOPATHICA-ANGINA TONSILLAE LARYNGEAE - W  
sprawle 'Laryngitis adenopathica-angina tonsillae laryngeae' - Laskiewicz  
A. Londyn - OTOLARYNG. POL. 1958, 12/4 (387-393)

The histological structure, with emphasis on the distribution of lymphoid tissue in the laryngeal mucosa, is discussed. The upper part of the appendix ventr. Morgagni most closely resembles a large tonsillar crypt and should be named 'tonsilla laryngea'. Laryngitis adenopathica demonstrates the part which is played by laryngeal lymphoid tissue in acute inflammations of the larynx. The condition is characterized by soundless, cramped, pharyngeal speech, itching, pain and oppression in the laryngeal and upper chest-regions during swallowing, and by dysphagia of liquids and half-solid foods. The inflammation is often preceded by slight pyrexia, headache and general discomfort. Laryngoscopy reveals a burgundy-wine colour and softness of the aditus laryngis, the arythenoid region, the aryepiglottic-interarythenoid folds, the posterior laryngeal wall and the ventricular bands. The vocal cords appeared unchanged, i.e. white and of normal mobility. Fifteen cases of the above form of laryngitis are described in which microscopical examination of secretion aspirated from the ventricle showed a great number of lymphocytes, in addition to detritus of the lining epithelium. In 4 cases there were staphylococci and a few pneumococci in the secretion.

LASKIEWICZ, Alfred (Londyn)

Clinical aspects of laryngo-pharyngeal reflexes. Otolaryngol  
polska 14 no.1:39-48 '60.  
(LARYNX physiol.)  
(PHARYNX physiol.)  
(REFLEX)

LASKIN, A. H.

KONDRATENKO, L.F.; LASKIN

Efficient use of electric centralization devices in planning open  
pit coal mines. Ugol' 32 no.7:35-37 J1 '57. (MIRA 10:7)

1. Lengiprosnakht.  
(Strip mining) (Electricity in mining) (Remote control)

69344

SOV/123-59-20-85408

Translation from: Referativnyy zhurnal. Mashinostroyeniye, 1959, Nr 20, p 384 (USSR)

26.1000 10.4000

AUTHOR: Laskin, A.S.

TITLE: Investigation of the Re-Number Effect and Surface Roughness on the Grate Efficiency of Turbine Blades<sup>20</sup>

PERIODICAL: Nauchno-tekhn. inform. byul. Leningr. politekhn. in-t, 1958, Nr 3, pp 51 - 59

ABSTRACT: Studies were carried out with the TskTI T-3 grate at M numbers =  $0.1 \div 0.25$  in order to investigate the effect of the Re-number and relative roughness on the profile loss. The blade roughness varied from the second up to the eighth class of finish according to the GOST standard. Formulae are derived for the determination of profile losses depending on the relative roughness  $k/b$  and  $Re$ , where  $k$  is the height of knobs,  $b$  is the profile chord. It is shown that the self-modeling limit, as regards the Re-number, depends on the  $k/b$  ratio. Five references.

B.I.A.

Card 1/1

X



KULL', A.M.; LASKIN, A.S.

Effect of surface roughness of turbine profiles on the characteristics of cascades. Trudy LPI no.193:141-149 '58. (MIRA 12:2)

(Turbines)

L 33222-65 EWP(m)/EWT(1) Pd-1

ACCESSION NR: AR5001386

S/0285/64/000/010/0014/0014

SOURCE: Ref. zh. Turbostroyeniye. Otdel'nyy vypusk, Abs. 10.49.73

AUTHOR: Laskin, A. S.

TITLE: A study of transient phenomena in a turbine stage

CITED SOURCE: Uch. zap. aspirantov i soiskateley. Leningr. politekhn. in-t. Energomashino-stroyeniye. L., 1964, 103-112

TOPIC TAGS: turbine stage, variable force effect, profile loss, flow instability, pressure pulsation oscillogram, aerodynamic damping coefficient, resonance, blade clearance

TRANSLATION: An experimental assembly consisting of an inverted radial stage with partial air feed was furnished for a study of variable force effects and losses related to periodic instability in flows around the rotor blades of a turbine. The flow in a radial stage approximates a plane flow much closer than does a flow in an axial stage. Small ( $D_{max} = 7$  mm) tensometric pressure pulsation transmitters were installed in the hollow central part of two rotor blades, a total of 11 in the flow channel. Variable forces acting on the blade were calculated from

Card 1/2

L 33222-65

ACCESSION NR: AR5001386

pulsation oscillograms, at an error factor on the order of 10%. Stresses and aerodynamic damping during an  $n_z$  resonance were measured. For this purpose, the central part of one blade was attached to a flexible rod equipped with strain gauge sensing elements for measuring torsional oscillations and flexural vibrations. The similarity to natural conditions was observed. The coefficient of aerodynamic damping was  $\sim 0.1$  at  $M \sim 0.3$  and  $Re \sim 2.5 \cdot 10^5$ . Stresses during resonance exceeded static values by 20 to 30 times and decreased by 150% as blade clearance was increased from 5 to 15 mm. Full pressure pulsations ahead of and behind the rotor lattice were similar. Profile losses in the lattice were twice as high for unstabilized flow as for streamline flow (wind tunnel test). Losses in the rotor lattice decreased as blade clearance increased. Yu. V. Rzhiznikov

SUB CODE: FR

ENCL: 00

Card 2/2

LASKIN, A. V.

32

PHASE I BOOK EXPLOITATION

SOV/5985

Rokotyan, Ye. S., Doctor of Technical Sciences, ed.  
Prokatnoye proizvodstvo; spravochnik (Rolling Industry; Handbook) v. 1. Moscow,  
Metallurgizdat, 1962. 743 p. Errata slip inserted. 9250 copies printed.

Authors of this volume: B. S. Azarenko, Candidate of Technical Sciences; V. D. Afanas'yev, Candidate of Technical Sciences; M. Ya. Brovman, Engineer; M. P. Vavilov, Engineer; A. B. Vernik, Engineer; K. A. Golubkov, Engineer; S. I. Gubkin, Academician, Academy of Sciences BSSR; A. Ye. Gurevich, Engineer; V. I. Davydov, Candidate of Technical Sciences; V. G. Drozd, Engineer; N. P. Yermolayev, Engineer; Ye. A. Zhukovich-Stopha, Engineer; N. M. Kirilin, Candidate of Technical Sciences; M. V. Kovynov, Engineer; A. M. Kogos, Engineer; A. A. Korolev, Professor; M. Ye. Kugayenko, Engineer; A. V. Laskin, Engineer; B. A. Levitanskiy, Engineer; V. M. Lugovskoy, Engineer; I. M. Moyerovich, Candidate of Technical Sciences; M. S. Ovcharov, Engineer; V. I. Pasternak, Engineer; I. L. Perlin, Doctor of Technical Sciences; I. S. Pebedin, Candidate of Technical Sciences; Ye. S. Rokotyan, Doctor of Technical Sciences; M. M. Saf'yan, Candidate of Technical Sciences; V. V. Smirnov, Candidate of Technical Sciences; V. S. Smirnov, Corresponding Member, Academy of Sciences USSR; O. P. Sokolovskiy,

Card 1/13

Rolling Industry; Handbook

32  
SOV/5985

Engineer; O. P. Solov'yov, Engineer; M. A. Sidorkevich, Engineer; Ye. M. Tret'yakov, Engineer; I. S. Trishovskiy, Candidate of Technical Sciences; G. N. Khonkin, Engineer; and A. I. Tsolikov, Corresponding Member, Academy of Sciences USSR. Introduction: A. I. Tsolikov, Corresponding Member, Academy of Sciences USSR; Ye. S. Rokotyan, Doctor of Technical Sciences; and L. S. Al'shevskiy, Candidate of Technical Sciences.

Eds. of Publishing House: V. M. Gorobinchenko, R. M. Golubchik, and V. A. Rymov; Tech. Ed.: L. V. Dobuzhinskaya.

**PURPOSE:** This handbook is intended for technical personnel of metallurgical and machine-building plants, scientific research institutes, and planning and design organizations. It may also be useful to students at schools of higher education.

**COVERAGE:** The fundamentals of plastic deformation of metals are discussed along with the theory of rolling and drawing. Methods of determining the power consumption and the forces in rolling with plane surface or grooved rolls are .

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Rolling Industry; Handbook

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Card 16/19

AZARENKO, B.S., kand. tekhn. nauk; AFANAS'YEV, V.D., kand. tekhn. nauk;  
 BROVMAN, M.Ya., inzh.; VAVILOV, M.P., inzh.; VERNIK, A.B., inzh.;  
 GOLUBKOV, K.A.; GUBKIN, S.I., akademik [deceased]; GUREVICH, A.Ye.,  
 inzh.; DAVYDOV, V.I., kand. tekhn. nauk; DROZD, V.G., inzh.;  
 YERMOLAYEV, N.F., inzh.; ZHUKOVICH-STOSHA, Ye.A., inzh.; KIRILIN,  
 N.M., kand. tekhn. nauk; KOVINEV, M.V., inzh.; KOGOS, A.M., inzh.;  
 KOROLEV, A.A., prof.; KUCAYENKO, M.Ye., inzh.; LASKIN, A.V., inzh.;  
 LEVITANSKIY, B.A., inzh.; LUGOVSKIY, V.M., inzh.; MEYEROVICH, I.M.,  
 kand. tekhn. nauk; OVCHAROV, M.S., inzh.; PASTERNAK, V.I., inzh.;  
 PERLIN, I.L., doktor tekhn. nauk; POBEDIN, I.S., kand. tekhn. nauk;  
 ROKOTYAN, Ye.S., doktor tekhn. nauk; SAF'YAN, M.M., kand. tekhn.  
 nauk; SMIRNOV, V.V., kand. tekhn. nauk; SMIRNOV, V.S.; SOKOLOVSKIY,  
 O.P., inzh.; SOLOV'YEV, O.P., inzh.; SIDORKEVICH, M.A., inzh.;  
 TRET'YAKOV, Ye.M., inzh.; TRISHEVSKIY, I.S., kand. tekhn. nauk;  
 KHENKIN, G.N., inzh.; TSELIKOV, A.I.; GOROBINCHENKO, V.M., red.  
 izd-va; GOLUBCHIK, R.M., red. izd-va; RYMOV, V.A., red. izd-va;  
 DOBUZHINSKAYA, L.V., tekhn. red.

[Rolling; a handbook] Prokatnoe proizvodstvo; spravochnik. Pod  
 red. E.S.Rokotiana. Moskva, Metallurgizdat. Vol.1. 1962. 743 p.  
 (MIRA 15:4)

1. Akademiya nauk BSSR (for Gubkin). 2. Chlen-korrespondent Akademii  
 nauk SSSR (for Smirnov, Tselikov).
- (Rolling (Metalwor))—Handbooks, manuals, etc.)

LASKIN, D.F., Cand Agr Sci -- (diss) "Spruce-vitamine paste  
in the rations of breeding stallions and <sup>studs</sup> mares in this second  
<sup>year</sup> ~~mares~~." Mos, 1958, 19 pp (Mos Order of Lenin Agr Acad im  
K.A. Timiryazev) 110 copies (KL,23-58, 109)

- 100 -



LASKIN, Dmitriy Fedorovich, starshiy nauchnyy sotr.; SHLYAPIN, Aleksandr Andreyevich; MASHKINA, A., red.; YAKOVLEVA, Ye., tekhn. red.

[Penless fattening of swine] Otkorm svinei bez stankov. Moskva, Mosk. rabochii, 1962. 28 p. (MIRA 15:11)

1. Nauchno-issledovatel'skiy institut sel'skogo khozyaystva tsentral'nykh rayonov nechernozemnoy zony (for Laskin).
2. Glavnyy zootekhnik sovkhoza imeni Moskovskogo soveta (for Shlyapin).

(Swine)

LASKIN, E.D., inzh.

Instrument used for checking protection equipment at traction substations. Elek. i tepl. tiaga 2 no.5:28-29 '58.

(MIRA 12:4)

(Electric railroads--Substations--Equipment and supplies)

SHUKHATOVICH, L.I., inzh.; LASKIN, E.D., inzh.

Increasing operational reliability of electric railroads. Zhel.  
dor.transp. 41 no.3:34-38 Mr '59. (MIRA 12:6)  
(Electric railroads--Substations)

LASKIN, E.D., inzh.; SHUKHATOVICH, L.I., inzh.

"Electric stations and traction substations" by I.IA.Ryshkovskii, S.N.Zasorin. Reviewed by E.D.Laskin, L.I. Shukhatovich. Transp.stroi. 10 no.8:59-60 Ag '60.  
(MIRA 13:8)

(Electric power plants) (Ryshkovskii, I.IA.)  
(Zasorin, S.N.)

LASKIN, M.

"Business Accounting in Steam Electric Power Plants." Tr. from the Russian. p. 180, Praha, Vol. 4, no. 4, Apr. 1954.

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

LASKIN, M.

Blower for movable pneumatic grain-handling equipment. Muk.-elev.  
prem.22 no.5:20-21 My '56. (MIRA 9:9)

1. TsKB Fredmash,  
(Fans, Mechanical) (Pneumatic-tube transportation)

LASKIN, M., inzh.

Laboratory separator for removing weed mixtures from grain.  
Mak.-elev.prom. 24 no.9:21-23 S '58. (MIRA 11:10)

1. TSentral'noye konstruktorskoye byuro Prodmash.  
(Grain--Cleaning)

LASKIN, M., inzh.

Conic shellers. Muk.-elev. prom. 24 no.12:18-19 D '58. (MIRA 12:1)

1. Tsentral'noye konstruktorskoye byuro Prodmash.  
(Grain handling machinery)



LASKIN, M.S.

Hermetically sealed sifter for lumpy materials. Kauch. 1 rez. 17  
no.3:30 Mr '58. (MIRA 11:6)  
(Rubber machinery)

LASKIN, N.P.

Using crews in shifts to run diesel locomotives. Elek. i tepl. tiaga 2  
no. 4:1-5 Ap '58. (MIRA 12:3)

1. Glavnyy inzhener sluzhby lokomotivnogo khozyaystva, Orenburgskoy  
dorogi.

(Diesel locomotives)

GORBONOSOVA, N. B.; LASKIN, S. B. (Leningrad)

Work conditions of radio operators on Baltic Sea steamships.  
Gig. truda i prof. zab. no.1:49-51 '62. (MIRA 15:2)

1. Basseyenovaya sanitarno-epidemiologicheskaya stantsiya Severo-Zapadnogo Vozdravotdela.

(RADIO OPERATORS--DISEASES AND HYGIENE)

LASKIN, S.B. (Leningrad)

Spontaneous gastric hemorrhage in acute myocardial infarction.  
Klin.med. 40 no.6:130-134 Je '62. (MIRA 15:9)

1. Iz Tsentra po bor'be s tromboembolicheskimi zabolevanami  
(zav. M.S. Zhilov) Leningradskoy gorodskoy stantsii skoroy  
pomoshchi (glavnyy vrach V.N. Golyakov, nauchnyye rukovoditeli -  
prof. A.A. Kedrov i kand.med.nauk Ye.M. Filipchenko).  
(HEART—INFARCTION) (GASTROINTESTINAL HEMORRHAGE)

*LASKIN, S.T.*  
LASKIN, S.T.; KOVALENKO, K.S.; CHUKHNO, A.A., kand.ekon.nauk, otvetstvennyy  
red.

[Sixth five-year plan is a dynamic program to raise the material  
and cultural standards of the Soviet people] Shestaia piatiletka -  
boevaia programma krutogo pod'ema material'nogo i kul'turnogo urovnia  
zhizni sovetskogo naroda. [Kiev] Izd-vo Kievskogo gos.univ, im.  
T.G.Shevchenko, 1956. 31 p. (MIRA 11:3)  
(Russia--Economic policy)

LASKIN, V.P.

Developing spring wheat into winter wheat in the Southeast.  
Agrobiologiya no.6:54-60 N-D '58. (MIRA 12:1)

1.Nauchno-issledovatel'skiy institut sel'skogo khozyaystva Yugo-  
Vostoka, g. Saratov.  
(Wheat breeding)

LASKIN, V. P.

Cand Agr Sci - (diss) "Method of re-making peredelka of spring wheat in the winter in selection of winter wheat in the South-East." Saratov, 1961. 15 pp; (Ministry of Agriculture RSFSR, Saratov Agr Inst); 200 copies; free; (KL, 7-61 sup, 251)

LASKIN, V. Ye.

Vaccine and Serum Inst., NKZDRAVA, SSSR, (-1944-)

"Contribution to the quick diagnosis of gas gangrene."

Zhur. Mikrobiol, Epidemiol., i Immunobiol., No. 9, 1944



LASKIN, V. Y.

PA 49/49T47

USSR/Medicine-Disease, Etiology and Oct 48

Pathogenesis

Medicine-Half Disease Epidemiology

"Origin and Study of the Yulsov (Half) Disease,"  
V. Ye. Laskin, Leningrad Inst of Epidemiol and  
Microbiol Imeni Pasteur, 5 pp

"Gig 1 San" No 10

Given a detailed description of subject disease and  
of previously conducted experiments. Claims disease  
is not infectious, but is caused by poisoning through  
about by eating fresh rapacious and spawning fish  
caught in unsanitary reservoirs (Yulsov Lake and

49/49T47

USSR/Medicine-Disease, Etiology and Oct 48  
Pathogenesis (Contd)

Etienne Half). Toxic substance was extracted from  
fish with fat by means of ether. It does not dis-  
integrate in the autoclave within one hour at 120°. ~~Toxicity is eliminated within 6 months when the fish~~  
is stored in a dried form.

49/49T47

LASKIN, V. Ye.

5868

O preduprezhdenii cozniknoveniya sypnogo tifa. rukhachkala, dagknigcizdat,  
1954 15s. 20sm (n-vo zdatoookhraneniya dassr. Resp. dom san.  
prosveshcheniya 500ekz b. ts. -na kumyk yaz.  
(54- 54126) 616.922

SO: Knizhnaya Letopis', vol, 1, 1955

LASKINA, A.

Talent of a scientist. Znan.-sila 37 no.11:30-31 N '62.  
(MIRA 16:1)

(Proportion (Anthropometry))  
(Schiller, Johann Christoph Friedrich von, 1759-1805)

LASKINA, A.

Methodological section for a specialized branch of industry.  
Prof.-tekh. cbr. 21 no.10:30-31 0 '64.

(MIRA 17:11)

1. Starshiy inzh.-metodist otдела tekhnicheskogo obucheniya  
Yaroslavskogo shinnogo zavoda.

PAVLOV, A.N.; LASKINA, A.V.; MOKROUSOV, N.Ya.; DERKACH, G.P.

Intra- and interspecific contacts of gerbils in Chernyye Zemli  
and the ilmen area of the northwestern part of the Caspian Sea  
region. Zool.zhur. 38 no.7:1089-1100 J1 '59.  
(MIRA 12:10)

1. Rostov State Research Anti-Plague Institute and Astrakhan  
Anti-Plague Station.  
(Caspian Sea region--Gerbils)

LASKINA, A.V.

Histochemical characteristics of polysaccharides in the interstitial tissues of the breast in women with precancerous and cancerous conditions. Vest.AMN SSSR 16 no.1:37-40 '61. (MIRA 14:3)

1. Institut eksperimental'noy i klinicheskoy onkologii AMN SSSR.  
(BREAST--CANCER) (POLYSACCHARIDES)

BOCHKAREV, P.F., otv. red.; VLASOV, A.N., otv. za vyp.;  
LASKINA, A.V., red.; PONOMAREVA, A.V., tekhn. red.

[Collection of brief scientific reports of the Faculty of Geology; supplement to the report on research work for 1961] Sbornik kratkikh nauchnykh soobshchenii geologicheskogo fakul'teta; prilozenie k otchetu o nauchno-issledovatel'skoi rabote za 1961 god. Irkutsk, Irkutskoe knizhnoe izd-vo, 1962. 78 p. (MIRA 16:10)

1. Irkutsk. Universitet.  
(Geological research)

SAVEL'YEVA, Ye.; MONASTYREVA, M.; ORLOVA, G.; KUZNEV, A.; FUFLYGINA, T.; LASKINA, V.;  
KOVALEVAYA, Ye. V.

Effect of factors of external environment on the course of rheumatism in  
children. *Pediatrics*, Moskva no. 4:40-41 July-Aug 1953. (CML 25:1)

1. Sixth course students under the supervision of Docent Ye. V. Kovaleva.
2. Of the Scientific Student Circle of the Department of Children's  
Diseases (Head of Department -- Prof. Yu. F. Dombrovskaya, Corresponding  
Member AMS USSR) of First Moscow Order of Lenin Medical Institute.



LASKINA, V. P.

Dissertation: "The Chlorination of Water Contaminated With the Microorganisms which Cause Dysentery." Cand Med Sci, First Moscow Order of Lenin Medical Inst, 13 Sep 54. (Vechernyaya Moskva, Moscow, 5 Aug 54)

SO: SUM 393, 28 Feb 1955

LASKINA, V.P., assistant

Chlorination of water infected by dysentery bacteria. Gig. i san.  
21 no.6:9-11 Je '56. (MIRA 9:8)

1. Iz kafedry kommunal'noy gigiyeny I Moskovskogo ordena Lenina  
meditsinskogo insituta imeni I.M.Sechenova.

(CHLORINE,

chlorination of water infested with shigella dysenteriae  
(Rus))

(WATER SUPPLY,  
same)

(SHIGELLA,  
dysenteriae in water, chlorination (Rus))

LASKINA, V. P.

GORBOV, V.A., dotsent; LASKINA, V.P., assistant; PETROV, V.I., ordinator

Hygienic study of dwellings. Gig. i san. 21 no.11:64-65 N '56.  
(MIRA 10:2)

1. Iz kafedry kommunal'noy gigiyeny I Moskovskogo ordena Lenina  
meditsinskogo instituta imeni I.M.Sechenova.

(HOUSING

hygienic study of dwellings)

(HYGIENE

of dwellings)

LASKINA, V.P.; SPASSKIY, S.S.; FRIDLYAND, S.A.

Influence of the temperature of water on the effect of its  
disinfection with chlorine. Trudy 1-go MMI 5:159-163 '59.  
(MIRA 13:8)

1. Iz kafedry kommunal'noy gigiyeny (zav. - chlen-korrespondent  
AMN SSSR prof. S.N. Cherkinskiy) 1-go Moskovskogo ordena  
Lenina meditsinskogo instituta im. I.M. Sechenova.  
(WATER--CHLORINATION) (WATER--BACTERIOLOGY)

GABRIIEVSKAYA, L.N.; LASKINA, V.P.

Experimental basis for the permissible concentration of dimethylphosphorodithioic acid in bodies of water. San.okhr.vod.ot zagr.prom.stoch.vod no.5:187-200 '62.

Experimental basis for the permissible concentration of diethylphosphorodithioic acid and its potassium salt in bodies of water. Ibid.:201-218

Experimental basis for the permissible concentration of the potassium salt of diisopropylphosphorodithioic acid. Ibid.:219-232 (MIRA 17:6)

1. Kafedra kommunal'noy gigiyeny I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.

GABRILEVSKAYA, L.N.; LASKINA, V.P.

Maximum permissible concentration of  $\beta$ -mercaptodiethylamine in the water of reservoirs and rivers. San. okhr. vod. ot zagr. prom. stoch. vod. no.6:165-178 '64.

Maximum permissible concentration of pentachlorophenol and sodium pentachlorophenolate in the water of reservoirs and rivers. Ibid.: 251-272 (MIRA 18:3)

1. Kafedra kommunal'noy gigiyeny I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova.

LASKINA, V.V.

15-57-8-11499

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 8,  
p 203 (USSR)

AUTHORS: Lozinskaya, A. M., Tsimel'zon, I. O., ~~Laskina, V. V.~~

TITLE: Application of Bottom Gravimeters to a Regional Survey  
on the Caspian Sea (Opyt regional'noy s"yemki na  
Kaspiyskom more s donnymi gravimetrami)

PERIODICAL: Prikl. geofizika, Nr 14, 1956, pp 115-128

ABSTRACT: A DGPE bottom gravimeter was used. The elastic system  
of the instrument was designed according to the prin-  
ciple of the GKA gravimeter, with the difference that  
the linear displacement of the movable end of the lever  
is observed and not the angular displacement of the  
lever. This displacement is measured with a high  
precision ultramicrometer capable of accuracy to 1/10 of  
a micron. The meter is fastened on a Cardan universal  
joint affixed to an immovable body by means of shock-  
absorbing springs. The weight of the device with the  
tripod is 60 kg. Remote control of the device is

Card 1/2

15-57-8-11499

Application of Bottom Gravimeter to a Regional Survey (Cont.)

accomplished from the ship. The test showed that the DGPE is stable; operation is simpler than with previous bottom gravimeters; the elastic suspension of the Cardan universal joint provides good shock absorption for the meter. Measurements were distinct even with a rough sea, and only in shallow waters on a muddy bottom were the readings unreliable. In 1954, the Marine Geophysical Expedition of the NIIGR / Nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki (Scientific Research Institute of Geophysical Prospecting Methods) conducted a regional survey with DGPE gravimeters in the northern part of the Caspian Sea, where the depths do not exceed 50 m. The gravimetric measurements were made by day and by night at every 20 km point on the course. Each point was investigated once with two positions of the instrument on the bottom. The accuracy of the single measurement was  $\pm 1.7$  mgal. The survey supplemented substantially the gravity map of this area and showed the superiority of the DGPE gravimeter over marine pendulum devices.

Card 2/2

V. M. Gol'denberg



LASKINA, V.V.; YANUSHEVICH, M.A.; KORNEV, V.A.

Tectonics of the Kara-Bogaz-Gol Gulf and adjacent regions based  
on geophysical research data. Prikl. geofiz. no.32:213-223 '62.

(MIRA 15:7)

(Kara-Bogaz-Gol (Gulf)--Geology, Structural)

Laskina, Y. E. D.

1 Margaret H. Argan  
Methylene pyrocatechol ether. E. D. Laskina. U.S.  
S.R. 106,564, July 26, 1957. Pyrocatechol is acted upon by  
CH<sub>2</sub>Cl<sub>2</sub> in an alk. medium. The reaction is carried out in a  
high-boiling solvent, e.g., benzyl alc. in the presence of NaI.  
M. Hesch

2  
1/4E4j-1

PM

LASKINA, Ye.D.; BELOV, V.N.

Intermediate products of the synthesis of odorous substances.  
Report No.8. Production of guaiacol from pyrocatechol and mix-  
tures containing pyrocatechol. Trudy VNIISHDV no.4:27-31 '58.  
(MIRA 12:5)

(Guaiacol) (Pyrocatechol) (Methylation)

KHOL'MER, O.M., inzh.; POLYAKOVA, S.G., inzh; LASKINA, Ye.D., kand.khim.nauk

Production of the synthetic isoeugenol from guaiacol. Masl.-zhir.:  
prom. 24 no.9:31-33 '58. (MIRA 11:10)

1. Moskovskiy zavod "Slozhnyye efiry" (for Khol'mer, Polyakova).
2. Vsesoyuznyy nauchno-issledovatel'skiy institut ainteticheskikh i  
natural'nykh dushistykh veshchestv (for Laskina).  
(Isoeugenol) (Guaiacol)

5(3)

SOV/80-32-4-31/47

AUTHOR: Laskina, Ye.D.

TITLE: On Some Reactions With Methylene Chloride Carried Out Without Application of Pressure in Benzyl Alcohol as a High-Boiling Solvent (O nekotorykh reaktsiyakh s khlcristym metilenom, provodimyykh bez primeneniya davleniya v benzilovom spirte kak vysokokipyashchem rastvoritele)

PERIODICAL: Zhurnal prikladnoy khimii, 1959, Vol 32, Nr 4, pp 878-882 (USSR)

ABSTRACT: The author studied some reactions with chlorous methylene in order to find a convenient method of obtaining the methylene ether of pyrocatechin without application of pressure. A number of experiments were carried out during which additions of several metals, such as copper, silver, aluminum foil and nickel alloy with aluminum, were introduced into the mixture of chlorous methylene and benzyi alcohol. The yield of the methylene ether of pyrocatechin was rather low, 12 to 13%, and then the reaction was tried in the presence of sodium iodide. This reaction, with addition of alkali hydroxide, was carried out without application of pressure (without an autoclave) and resulted in the yield of

Card 1/3

SOV/80-32-4-31/47

On Some Reactions With Methylene Chloride Carried Out Without Application of Pressure in Benzyl Alcohol as a High-Boiling Solvent

methylene ether of pyrocatechin amounting to 32% of the theoretically possible one. In addition to this, the following results were established: the interaction of methylene chloride with sodium iodide in benzyl alcohol at an ordinary pressure led to the formation of methylene iodide with an yield of 45% of the theoretical one; in the interaction of ~~excess benzyl alcohol~~, and methylene chloride in the presence of alkali, dibenzylformal with an yield of 12 to 15% of the theoretical one was obtained. There are: 1 table and 15 references, of which 6 are Soviet, 5 English, 1 German, 1 French, 1 Italian and 1 Czech.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskikh i natural'nykh dushistykh veshchestv (All-Union Scientific Research

Card 2/3

SOV/80-32-4-31/47

On Some Reactions With Methylene Chloride Carried Out Without Application of  
Pressure in Benzyl Alcohol as a High-Boiling Solvent

Institute of Synthetic and Natural Perfumes)

SUBMITTED: November 29, 1957

Card 3/3

VOYTKEVICH, S.A., kand.khimicheskikh nauk; IASKINA, Ye.D., kand.khimicheskikh nauk

Modern methods for the production of vanillin and its analogs.  
Zhur. VKHO 5 no.4:386-395 '60. (MIRA 13:12)  
(Vanillin)



YELISEYEVA, V.N.; DEBITSKAYA, T.A.; LASHINA, Ye.D.

Preparation of aromatic aldehydes by nitrosation. Report No.2.  
Trudy VNIISNDV no.5:18-21 '61. (MIRA 14:10)  
(Aldehydes) (Nitrosation)

LASKINA, Ye.D.; DEVITSKAYA, T.A.; BYCHKOVA, Z.N.; SHILINA, R.F.;  
SUKHORUKOVA, T.V.

Preparation of heliotropin from the methylene ether of  
pyrocatechin and formaldehyde with the use of  $\gamma$ -nitrobenzene-  
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